This modification allows for:

1) a larger & deeper MERV 13 filter; 2) more even flow/loading over the full filter; and 3) lower static pressure across both the filter & return side of the ductwork.

Custom-made transition; options:
straight 12"x25" duct to flared section connecting to filter box, or continuous taper (as shown).

Horizontal filter box for a 4 " or 5 " deep filter. Filter area should be as large as possible (20"x 25", or bigger).

Minimal air leakage at filter edge & door!!

Flexible duct connector

Curved inside radius

All joints sealed with mastic or other approved sealant.

In lieu of inside & outside curved radius, turning vanes can be added.